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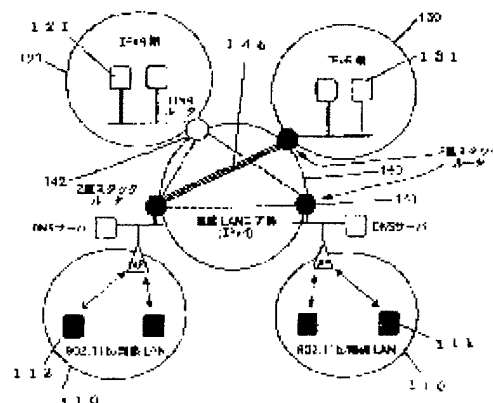
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(54) IPv4 MANAGEMENT METHOD AND MANAGEMENT DEVICE IN IPv6 WIRELESS LAN ENVIRONMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a communication method and a device which make the most use of characteristics of the old wireless LAN network making to coexist the IPv6 and IPv4, supplementing demerit, which the old DSTM (Dual-Stack Transition Mechanism) has.

SOLUTION: The method and the device have a step which solves an IP for domain name by a request to an application program, a step to dynamically assign a mobile IPv4 address for an IPv4 communication when that DA (domain address) for requested domain name is a mobile IPv4 address, and a step to return the address after a lease period of the mobile IPv4 address received expires. By this means, the problem of shortage of IP address is solved by introducing the IPv6 in wireless LAN environment. At the same time, effect of offering a wireless LAN environment, which can keep compatibility with the IPv4, is realized.



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